

## SEQUENCE LISTING

<110> Loma Linda University Szalay, Aladar Wang, Yubao Gefu, Wang-Pruski

<120> Method for Studying Protein Interactions in Vivo

<130> 11785-3

<140> US 09/786377

<141> 1999-09-02

<150> US 60/135,835

<151> 1999-05-24

<150> US 60/099,068

<151> 1998-09-03

<150> PCT/US99/20207

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Lys Glu Lys Gly Glu Val Arg Arg Pro Thr Leu Ser Trp Pro Arg Glu 210 215 7220 220 220 220 220 220 225 235 235 235 235 235 235 235 235 235	Met Arg Lys Leu Glu Pro Glu Glu Phe Ala Ala Tyr Leu Glu Pro Phe
Ille Pro Leu Val Lys Gly Gly Lys Pro Asp Val Val Gln Ile Val Arg 225 230 230 235  aat tat aat gct tat cta cgt gca agt gat gat tta cca aaa atg ttt 771 Asn Tyr Asn Ala Tyr Leu Arg Ala Ser Asp Asp Leu Pro Lys Met Phe 240 245 250 250  att gaa tcg gat cca gga ttc ttt tcc aat gct att gtt gaa ggc gcc 11e Glu Ser Asp Pro Gly Phe Phe Ser Asn Ala Ile Val Glu Gly Ala 255 260 270  aag aag ttt cct aat act gaa ttt gtc aaa gta aaa ggt ctt cat ttt Lys Lys Phe Pro Asn Thr Glu Phe Val Lys Val Lys Gly Leu His Phe 275 280 285  tcg caa gaa gat gca cct gat gaa atg gga aaa tat atc aaa tcg ttc Ser Gln Glu Asp Ala Pro Asp Glu Met Gly Lys Tyr Ile Lys Ser Phe 290 295 300  gtt gag cga gtt ctc aaa aat gaa caa taa ttactttggt ttttatta 965 Val Glu Arg Val Leu Lys Asn Glu Gln 305 310  catttttccc gggtttaata atataaatgt cattttcaac aattttatt taactgaata 1025  tttcacaggg aacattcata tatgttgatt aatttagctc gaactttact ctgtcatatc 1085  attttggaat attacctctt tcaatgaaac tttataaaca gtggttcaat taattaatat 1145  atattataat tacatttgtt atgtaataaa ctcggtttta ttataaaaaa a 1196  <210> 4  <210> 4  <211> BRT  <213> Renilla reniformis <4400> 4  Met Thr Ser Lys Val Tyr Asp Pro Glu Gln Arg Lys Arg Met Ile Thr	Lys Glu Lys Gly Glu Val Arg Arg Pro Thr Leu Ser Trp Pro Arg Glu
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Phe Leu His Gly Asn Ala Ala Ser Ser Tyr Leu Trp Arg His Val Val 50 55 60

Pro His Ile Glu Pro Val Ala Arg Cys Ile Ile Pro Asp Leu Ile Gly 65 70 75 80

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Tyr Ser Tyr Glu His Gln Asp Lys Ile Lys Ala Ile Val His Ala Glu 130 135 140

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Glu Asn Asn Phe Phe Val Glu Thr Met Leu Pro Ser Lys Ile Met Arg 180 185 190

Lys Leu Glu Pro Glu Glu Phe Ala Ala Tyr Leu Glu Pro Phe Lys Glu 195 200 205

Lys Gly Glu Val Arg Arg Pro Thr Leu Ser Trp Pro Arg Glu Ile Pro 210 215 220

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Asn Ala Tyr Leu Arg Ala Ser Asp Asp Leu Pro Lys Met Phe Ile Glu 245 250 255

Ser Asp Pro Gly Phe Phe Ser Asn Ala Ile Val Glu Gly Ala Lys Lys 260 . 265 270

Phe Pro Asn Thr Glu Phe Val Lys Val Lys Gly Leu His Phe Ser Gln 275 280 285

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	t tat r Tyr															240	
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	c atc r Ile		Phe					Asn					Ala			336	
	g ttc s Phe 11	Ğlu					Val					Leu				384	
Ās	c ttt p Phe 30					Asn					Lys					432	
	t aac r Asn 5															480	
at Il	c aag e Lys	gtc Val	aac Asn	ttc Phe	aag Lys	atc Ile	aga Arg	cac His	aac Asn	att Ile	gag Glu	gat Asp	gga Gly	tcc Ser	gtg Val	528	

•

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180 185 190

gtg ctc ctc cca gac aac cat tac ctg tcc acc cag tct gcc ctg tct
Val Leu Leu Pro Asp Asn His Tyr Leu Ser Thr Gln Ser Ala Leu Ser

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Lys Asp Pro Asn Glu Lys Arg Asp His Met Val Leu Glu Phe Val
210 215 220

576

624

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Thr Thr Gly Lys Leu Pro Val Pro Trp Pro Thr Leu Val Thr Thr Phe 50 55 60

Ser Tyr Gly Val Gln Cys Phe Ser Arg Tyr Pro Asp His Met Lys Gln 65 70 75 80

His Asp Phe Phe Lys Ser Ala Met Pro Glu Gly Tyr Val Gln Glu Arg
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Asp Phe Lys Glu Asp Gly Asn Ile Leu Gly His Lys Leu Glu Tyr Asn 130 135 140

Tyr Asn Ser His Asn Val Tyr Ile Met Ala Asp Lys Gln Lys Asn Gly

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145	•		150					155					160	
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Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe 35 40 45

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Ala Leu Glu Gly Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys 85 90 95

Thr Ser Ile Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn 100 105 110